

CLAIM AMENDMENTS

1. (Currently Amended, Withdrawn) A copper alloy comprising:
 - 30 to 50 weight percent nickel;
 - 2 to 6 weight percent silicon ~~silica~~;
 - 1 to 10 weight percent iron;
 - 1 to 10 weight percent chromium;
 - 1 to 10 weight percent of at least one element selected from the group consisting of: Mo, W, Ti, Zr, Nb and V;
 - 1 to 10 weight percent manganese;
 - 1 to 3 weight percent yttrium and/or hafnium; and
 - a balance of copper.

2. (Currently Amended) A copper alloy comprising:
 - [[5]] 6 to 15 weight percent nickel;
 - 2 to 6 weight percent silicon ~~silica~~;
 - 1 to 10 weight percent iron;
 - 1 to 10 weight percent chromium;
 - 1 to 10 weight percent of at least one element selected from the group consisting of: Mo, W, Ti, Zr, Nb and V;
 - ~~1 to 10 weight percent manganese;~~
 - 1 to 3 weight percent yttrium and/or hafnium; and
 - a balance of copper.

3. (Currently Amended, Withdrawn) A copper alloy comprising:
 - 2 to 5 weight percent nickel;
 - 1 to 3 weight percent silicon ~~silica~~;
 - 1 to 3 weight percent iron;
 - 10 to 15 weight percent manganese; and
 - a balance of copper.

4. (Currently Amended, Withdrawn) An aluminum silicon ~~silica~~ alloy containing silicide and carbide formation centers.

5. (Withdrawn) A metal system having at least two layers comprising a copper alloy as a bond coat between a substrate having a predominance of aluminum and a nickel alloy.

6. (Withdrawn) A cast Al-Si alloy engine head having a valve seat constructed through the deposition of the alloy of claim 1.

7. (Original) A cast Al-Si alloy engine head having a valve seat constructed through the deposition of the alloy of claim 2.

8. (Withdrawn) A cast Al-Si alloy engine head having a valve seat constructed through the deposition of the alloy of claim 3.

9. (Withdrawn) A cast Al-Si alloy engine head having a valve seat constructed through the deposition of the alloy of claim 4.

10. (Withdrawn) A cast Al-Si alloy engine head having a valve seat constructed through the deposition of the alloy of claim 5.